



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ecological Services
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Arlington, Texas 76011

February 1, 2005

Memorandum

To: Billy Colbert, Environmental Planner, U.S. Army Corps of Engineers, Fort Worth District

From: Carol S. Hale, Fish and Wildlife Biologist

Subject: Corrections for the HSI Averages contained in the December 2, 2004 memo regarding the Central City Project Extended Area Upstream

Thank you for informing me (via telephone) today of the errors regarding the average HSI values contained in Table 4 in my December 2, 2004 Central City Project Extended Area Upstream memorandum to you. The average HSI values per species in each habitat should reflect a value computed by use of the model after each parameter from all the sites in one habitat had been averaged. Instead, I had erroneously averaged the HSI value of each site listed in the Riparian Habitat column. The HSI values for the Upland sites are correct. The following are the correct average HSI values for each species in the Riparian Habitat in the extended area and the Average HSI value for that habitat.

	<u>Average for Riparian Habitat</u>
Barred owl	0.88
Raccoon	0.60
Carolina Chickadee	0.94
Fox Squirrel	0.38
Wood Duck	0.00
Red-tailed Hawk	0.40
Total Average Riparian HSI	0.53

The average HSI per species may be greater than any one site HSI, because the SI parameter reading for each site may have been less optimum due to being too “too much” or “not enough” of whatever it was measuring, but the average SI value for the parameter for all the sites combined may compute to the optimum HSI value.

Thank you for the opportunity to correct this error.